RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: _10/566,157_
Source: _1Fu)P_
Date Processed by STIC: _2/3/06_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _/0/566,157_   CRF Edit Date: _2/7/06_
Edited by: _____

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

_/_ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

IFWP

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        RAW SEQUENCE LISTING                    DATE: 02/07/2006
        PATENT APPLICATION:  US/10/566,157      TIME: 17:48:09

        Input Set : A:\PTO.AMC.txt
        Output Set: N:\CRF4\02072006\J566157.raw
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     3  <110> APPLICANT: TOYOBO RESEARCH CENTER CO., LTD.
     5  <120> TITLE OF INVENTION: Hyaluronic Acid Synthase
     7  <130> FILE REFERENCE: P04-78
C--> 9  <140> CURRENT APPLICATION NUMBER: US/10/566,157
C--> 9  <141> CURRENT FILING DATE: 2006-01-27
     9  <150> PRIOR APPLICATION NUMBER: JP2003-204896
    10  <151> PRIOR FILING DATE: 2003-07-31
    12  <150> PRIOR APPLICATION NUMBER: JP2004-89135
    13  <151> PRIOR FILING DATE: 2004-03-25
    15  <160> NUMBER OF SEQ ID NOS: 6
    17  <170> SOFTWARE: PatentIn version 3.1
    19  <210> SEQ ID NO: 1
    20  <211> LENGTH: 1707
    21  <212> TYPE: DNA
    22  <213> ORGANISM: Chlorella virus
    24  <400> SEQUENCE: 1
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    29  aatattgctc tctcgacaat ctggggagta tcagcttatg gtattttcgt ttttggtttt     180
    31  ttccttgcac aagtttttat ttcagaactg aacaggaaac gtcttcgcaa gtggatttct     240
    33  ctcagaccta agggttggaa tgatgtccgt ttggctgtga tcattgctgg ataccgcgaa     300
    35  gatccctata tgttccaaaa gtgtctcgag tcagtgcgtg actctgacta cggtaacgtt     360
    37  gctcgtctca tttgtgttat tgacggcgat gacgacgctg atatgaagat gtccgatgtt     420
    39  tacaagacga tctacaacga taatatcaag aagcccgagt ttgtcttgtg tgagtcagac     480
    41  gacaaggaag gtgaacgcat cgactctgat ttctctcgcg acatttgtgt tctccagcct     540
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    45  gtcaacgccg tcgttttgat tgacagcgat actgttctcg agaaggatgc tattctggaa     660
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    49  tggaacacag acactctttt gagtcttctc gtcgcttggc ggtactattc tgcgttttgt     780
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    53  gcctacaaga ttgatatcat taaggagatt aaggacccct ggatttccca gcgctttctt     900
    55  ggtcagaagt gtacttacgg tgacgaccgc cggctaacca acgagatctt gatgcgtggt     960
    57  aaaaaggttg tgttcactcc atttgctgtt ggttggtctg acagtccgac caatgtgttt    1020
    59  cgatacatcg ttcagcagac .ccgctggagt aagtcgtggt gccgcgaaat ttggtacacc    1080
    61  ctcttcgccg cgtggaagca cggtttgtct ggaatttggc tggcctttga atgtttgtat    1140
    63  caaattacat acttcttcct cgtgatttac ctcttttctc gcctagccgt tgaggccgac    1200
    65  cctcgctccc agacagccac agtgattgtg agcaccacgg ttgcattgat taagtgtggg    1260
    67  tatttttcat tccgagccaa ggatattcgg gcttttact ttgtgcttta tacatttgtt    1320
    69  tactttttct gtatgattcc ggccagggt actgcaatga tgacgctttg ggacattggc    1380
    71  tggggtactc gcggtggaaa cgagaagcct tccgttggca cccgggtcgc tctgtgggca    1440
    73  aagcaatatc tcattgcata tatgtggtgg gccgcggttg ttggcgctgg agtttacagc    1500
    75  atcgtccata actggatgtt cgattggaat tctctttctt atcgttttgc tttggttggt    1560
    77  atttgttctt acattgtttt tattactatt gtgctggtga tttatttcac cggcaaaatt    1620
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RAW SEQUENCE LISTING   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,157   TIME: 17:48:09

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\02072006\J566157.raw

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 85 <211> LENGTH: 1707
 86 <212> TYPE: DNA
 87 <213> ORGANISM: Chlorella virus
 89 <400> SEQUENCE: 2
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 92 gcggttggag gagcctctct aatcttggct ccagcaatta ctggatatat tctacattgg      120
 94 aatattgctc tctcgacaat ctggggagta tcagcttatg gtattttcgt ttttggtttt      180
 96 ttccttgcac aagtttttat ttcagaactg aacaggaaac gtcttcgcaa atggatttct      240
 98 ctcagaccta agggttggaa tgatgtccgt ttggctgtga tcattgctgg ataccgcgaa      300
100 gatccctata tgttccaaaa gtgtctcgag tcagtgcgtg actctgacta cggtaacgtt      360
102 gctcgtctca tttgtgttat tgacggcgat gacgacgctg atatgaagat gtccgatgtt      420
104 tacaagacga tctacaacga taatatcaag aagcccgagt tgtcttgtg tgagtcagac       480
106 gacaaggaag gtgaacgcat cgactctgat ttctctcgcg acatttgtgt tctccagcct      540
108 caccgtggca agagggagtg tctctatact ggtttccaac ttgcaaagat ggaccccagt      600
110 gtcaacgccg tcgtttgat tgacagcgat actgttctcg agaaggatgc tattctggaa       660
112 gttgtatacc cacttgcatg cgatcctgag atccaagccg tcgcaggtga gtgtaagatt      720
114 tggaacacag acactctttt gagtcttctc gtcgcttggc ggtactattc tgcgtttgt       780
116 gtggagagga gtgcccagtc ttttttcagg actgttcagt gcgttggggg cccgctgggt      840
118 gcctacaaga ttgatatcat taaggagatt aaggacccct ggatttccca gcgctttctt      900
120 ggtcagaagt gtacttacgg tgacgaccgc cggctaacca acgagatctt gatgcgtggt      960
122 aaaaaggttg tgttcactcc atttgctgtt ggttggtctg acagtccgac caatgtgttt     1020
124 cgatacatcg ttcagcagac ccgctggagt aagtcgtggt gccgcgaaat ttggtacacc     1080
126 ctctttgccg cgtggaagca cggtttgtct ggaatttggc tggcctttga atgtttgtat     1140
128 caaattacat acttcttcct cgtgatttac ctcttttctc gcctagccgt tgaagccgac     1200
130 cctcgctccc agacagccac agtgattgtg agcaccacgg ttgcattgat taagtgtggg     1260
132 tatttttcat tccgagccaa ggatattcgg gctttttact ttgtgcttta tacatttgtt     1320
134 tacttttttct gtatgattcc ggccagggtt actgcaatga tgacgctttg ggacattggc    1380
136 tggggtactc gcggtggaaa cgagaagcct tccgttggca cccgggtcgc tctgtgggca     1440
138 aagcaatatc tcattgcata tatgtggtgg gccgcggttg ttggcgctgg agtttacagc     1500
140 atcgtccata actggatgtt cgattggaat tctctttctt atcgtttgc tttggttggt      1560
142 atttgttctt acattgtttt tattactatt gtgctggtga tttatttcac cggcaaaatt     1620
144 acgacttgga atttcacgaa gcttcagaag gagctaatcg aggatcgtgt tctgtacgat     1680
146 gcatctacca atgctcagtc tgtgtga                                         1707
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150 <211> LENGTH: 40
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: primer
157 <400> SEQUENCE: 3
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161 <210> SEQ ID NO: 4
162 <211> LENGTH: 36
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,157   TIME: 17:48:09

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\02072006\J566157.raw

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169 <400> SEQUENCE: 4
170 cttgcagtct agatcacaca gactgagcat tggtag                    36
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174 <211> LENGTH: 36
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
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186 <211> LENGTH: 24
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190 <220> FEATURE:
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193 <400> SEQUENCE: 6
194 gggcgaattg gagctccacc gcgg                                 24
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VERIFICATION SUMMARY   DATE: 02/07/2006
PATENT APPLICATION: US/10/566,157   TIME: 17:48:10

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\02072006\J566157.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)

IFWP

PATENT APPLICATION: US/10/566,157

DATE: 02/03/2006
TIME: 10:11:43

Input Set : **A:\PTOTS.txt**
Output Set: **N:\CRF4\02032006\J566157.raw**

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        3 <110> APPLICANT: TOYOBO RESEARCH CENTER CO., LTD.
        5 <120> TITLE OF INVENTION: Hyaluronic Acid Synthase
        7 <130> FILE REFERENCE: P04-78
C-->    9 <140> CURRENT APPLICATION NUMBER: US/10/566,157
C-->    9 <141> CURRENT FILING DATE: 2006-01-27
        9 <150> PRIOR APPLICATION NUMBER: JP2003-204896
       10 <151> PRIOR FILING DATE: 2003-07-31
       12 <150> PRIOR APPLICATION NUMBER: JP2004-89135
       13 <151> PRIOR FILING DATE: 2004-03-25
       15 <160> NUMBER OF SEQ ID NOS: 6
       17 <170> SOFTWARE: PatentIn version 3.1
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**Does Not Comply
Corrected Diskette Needed**

ERRORED SEQUENCES

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      185 <210> SEQ ID NO: 6
      186 <211> LENGTH: 24
      187 <212> TYPE: DNA
      188 <213> ORGANISM: Artificial Sequence
      190 <220> FEATURE:
      191 <223> OTHER INFORMATION: primer
      193 <400> SEQUENCE: 6
      194 gggcggattg gagctccacc gcgg                                          24
E--> 201 (1/5)
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2/3/2006

VERIFICATION SUMMARY   DATE: 02/03/2006
PATENT APPLICATION: US/10/566,157   TIME: 10:11:44

Input Set : **A:\PTOTS.txt**
Output Set: **N:\CRF4\02032006\J566157.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:201 M:254 E: No. of Bases conflict, LENGTH:Input:5 Counted:25 SEQ:6
L:201 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:201 M:252 E: No. of Seq. differs, <211> LENGTH:Input:24 Found:25 SEQ:6